

ABSTRACT

5 This patent discloses a method of ameliorating a dermatological condition in the skin of a mammal, comprising administering a composition comprising a substituted fullerene to at least a portion of the skin of the mammal afflicted with the dermatological condition or potentially afflicted with the dermatological condition wherein the substituted fullerene comprises a fullerene core (C_n) and at least one of: (i) from 1 to 3 (>CX¹X²) groups bonded to the fullerene core; (ii) from 1 to 18 -X³ groups bonded to the fullerene core; (iii) from 1 to 6 -X⁴- groups bonded to the fullerene core; or (iv) from 1 to 6 dendrons bonded to the fullerene core.